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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/760,184	01/21/2004	Kia Silverbrook	RRA29US	3300
24011	7590	07/25/2006	EXAMINER	
SILVERBROOK RESEARCH PTY LTD 393 DARLING STREET BALMAIN, NSW 2041 AUSTRALIA			GARCIA JR, RENE	
			ART UNIT	PAPER NUMBER
			2853	

DATE MAILED: 07/25/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b>		<b>Applicant(s)</b>	
	10/760,184		SILVERBROOK, KIA	
	<b>Examiner</b>		<b>Art Unit</b>	
	Rene Garcia, Jr.		2853	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 13 July 2006.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 2-6 and 8 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 2-6 and 8 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some    \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |   |   |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)             | 4) <input type="checkbox"/> Interview Summary (PTO-413)                     |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)    | Paper No(s)/Mail Date. _____  |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date _____   | 6) <input type="checkbox"/> Other: _____                                    |

## DETAILED ACTION

### *Continued Examination Under 37 CFR 1.114*

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 13 July 2006 has been entered.

### *Claim Objections*

2. Claim 5 recites the limitation "the number of predetermined positions" in line 3. There is insufficient antecedent basis for this limitation in the claim.

### *Claim Rejections - 35 USC § 102*

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

4. Claims 8, 2, 4, 5 and 6 are rejected under 35 U.S.C. 102(b) as being anticipated by Liu (US 6,213,597).

**Liu discloses the following claimed limitations:**

\*regarding claim 8, printing fluid dispenser system comprising:

\*inkjet printer component/**ink cartridge, 11/** (fig. 13) that requires periodic refilling (ABS) with different types of printing fluid (col. 4, lines 1-3), the component/**11/** having a plurality of inlet ports/**through hole, 25/** (fig. 1, 13; col. 4, lines 15-26; col. 5, lines 2-4; only one

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through hole identified but plurality can be seen in figure; col. 7, lines 4-8, 16-21) and a fixed formation on the component's exterior/**top surface, 28/** (fig. 1, 2; col. 4, lines 15-15-18), each of the inlet ports/**25/** corresponding to one of the types of printing fluid and are discretely positioned relative to the fixed formation/**28/** (inlet ports/**25/** are located within top surface/**28/**, therefore relative to fixed surface)

\*plurality of printing fluid dispensers/**ink-injection cylinder, 13/** (fig. 1, 13) corresponding to each of the different types of printing fluid (col. 4, lines 1-3; col. 7, lines 4-8; ink cartridge/**11/** has different types of ink therefore a different dispenser for replenishing ink is required), each of the printing fluid dispensers/**13/** having an outlet/**through hole, 45/** and a locating feature/**ink straw, 42/** (fig. 3; col. 5, lines 19-32), the outlet/**45/** being positioned relative to the locating feature/**42/** such that when the locating feature/**42/** engages the fixed formation/**28/** on the inkjet printer component/**11/**, the outlet/**45/** engages the inlet port/**25/** corresponding to that printing fluid type (fig. 1, 2, & 13; col. 6, lines 30-38; col. 7, lines 16-21)

\*wherein only one of the printing fluid dispensers/**13/** can engage the inkjet printer component/**11/** at one time (as seen in fig. 1, proximity of through holes/**25/** and size of ink-injection cylinder/**13/** prevent more than one from engaging at same time)

\*regarding claim 2, inkjet printer component is a removable inkjet printer cartridge/**ink jet cartridge, 11/** (fig. 13, col. 3, line 66)

\*regarding claim 4, locating feature/**ink straw, 42/** is a lug/**ink straw, 42/** protruding from the dispenser/**13/**, and the fixed formation/**28/** on the inkjet printer component is a recess

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having a complementary shape (through holes/25/ formed in top surface/28/ form the recess and function as the inlet port)

\*regarding claim 5, each of the printing fluid dispensers/13/ have a connector region/connecting stem, 43/ (fig. 3, col. 5, lines 26-29) defining an area in which the number of predetermined positions of the outlet lie (connecting stem/43/ defines region for outlet/45/)

\*regarding claim 6, different types of printing fluids include a range of colored inks to facilitate color printing (col. 4, lines 1-3; col. 7, lines 4-8)

***Claim Rejections - 35 USC § 103***

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. Claim 3 is rejected under 35 U.S.C. 103(a) as being unpatentable over Liu (US 6,213,597) in view of Waller et al. (US 6,250,738).

**Liu disclose all of the claimed limitation except for the following:**

\*regarding claim 3, removable inkjet printer cartridge includes a pagewidth printhead

**Waller et al. disclose the following:**

\*regarding claim 3, removable inkjet printer cartridge includes a pagewidth printhead/page-wide-array printhead/ (col. 1, line 56) (fig. 1; includes inkjet printhead assembly/12/, ink supply assembly/14/, and mounting assembly/16/)

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It would have been obvious at the time the invention was made to a person having ordinary skill in the art to utilize a removable inkjet printer cartridge includes a pagewidth printhead as taught by Waller et al. into Liu for the purpose of printing one or more lines at a time.

***Response to Arguments***

7. Applicant's arguments with respect to claims 8 and 2-6 have been considered but are moot in view of the new ground(s) of rejection.

***Conclusion***

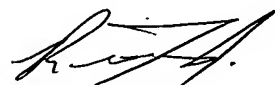
8. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Silverbrook et al. (US 6,439,706) teaches a housing having a plurality of ink colors (bladders) to replenish a print head, a connection between inlets and outlets, however all the inlets and outlets are engaged simultaneously.

*Communications with the USPTO*

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Rene Garcia, Jr. whose telephone number is (571) 272-5980. The examiner can normally be reached on M-F 8:00AM - 4:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stephen D. Meier can be reached on (571) 272-2149. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



Rene Garcia Jr  
07/06



**STEPHEN MEIER**  
**SUPERVISORY PATENT EXAMINER**